

FIG. 1

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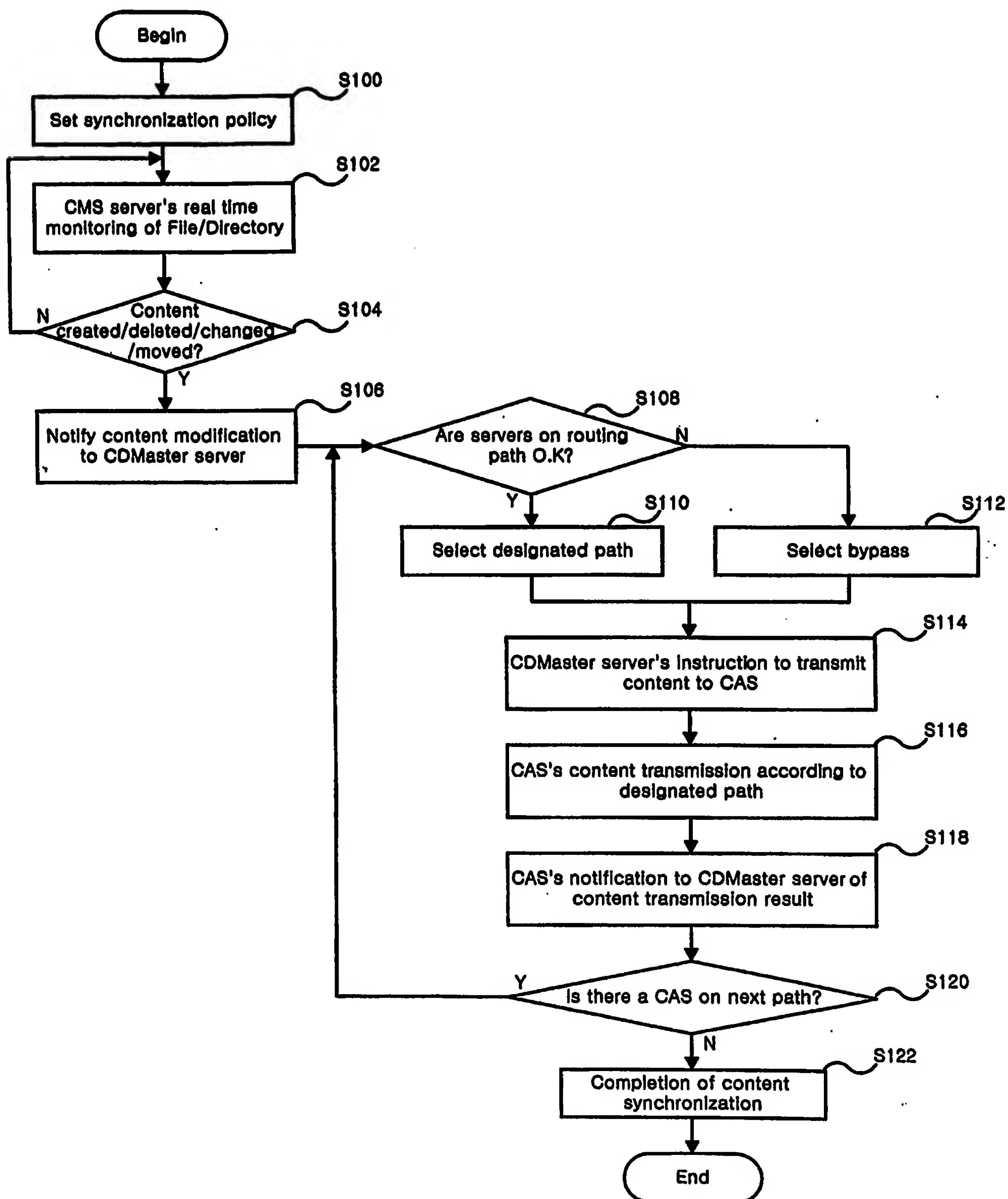


FIG. 2

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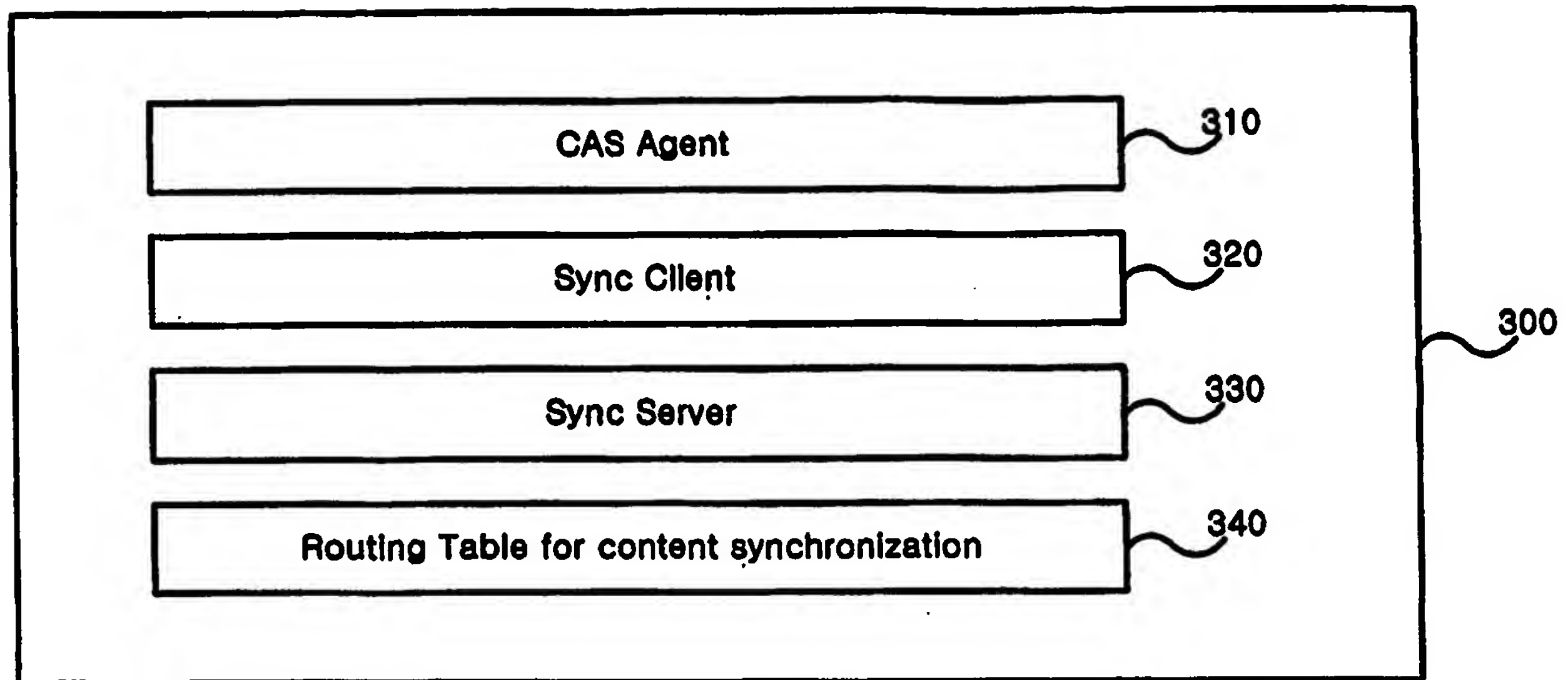


FIG. 3

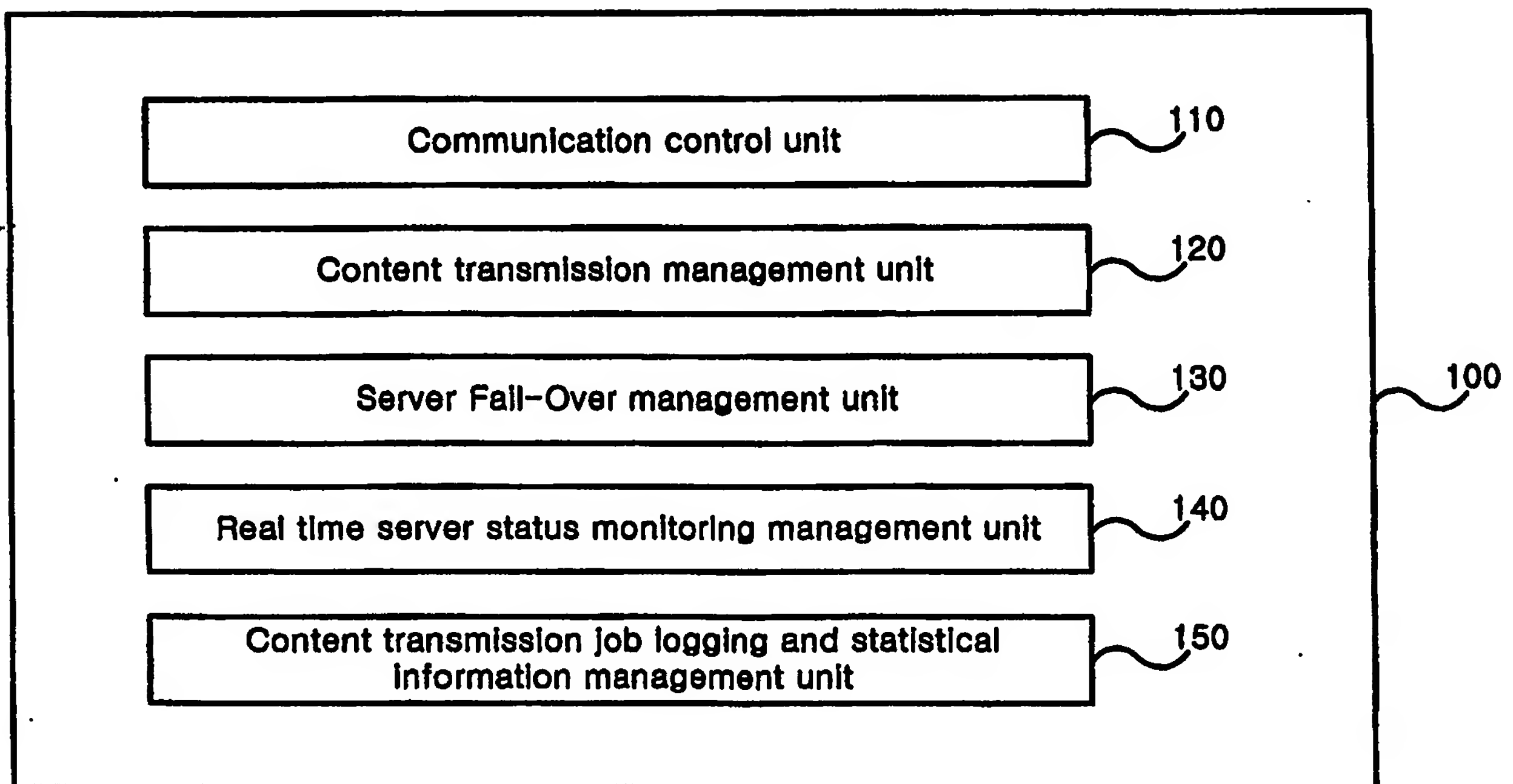


FIG. 4

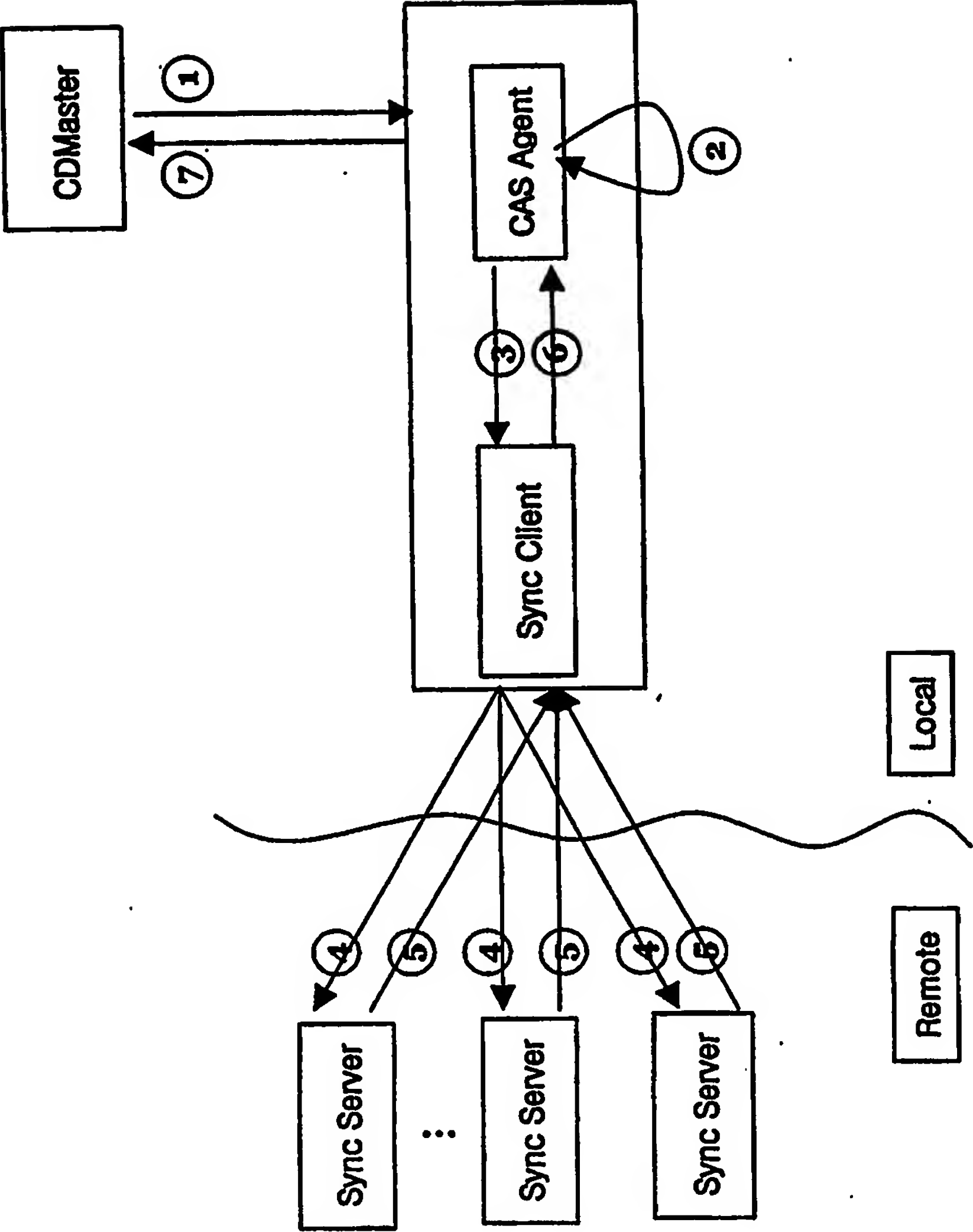


FIG. 5

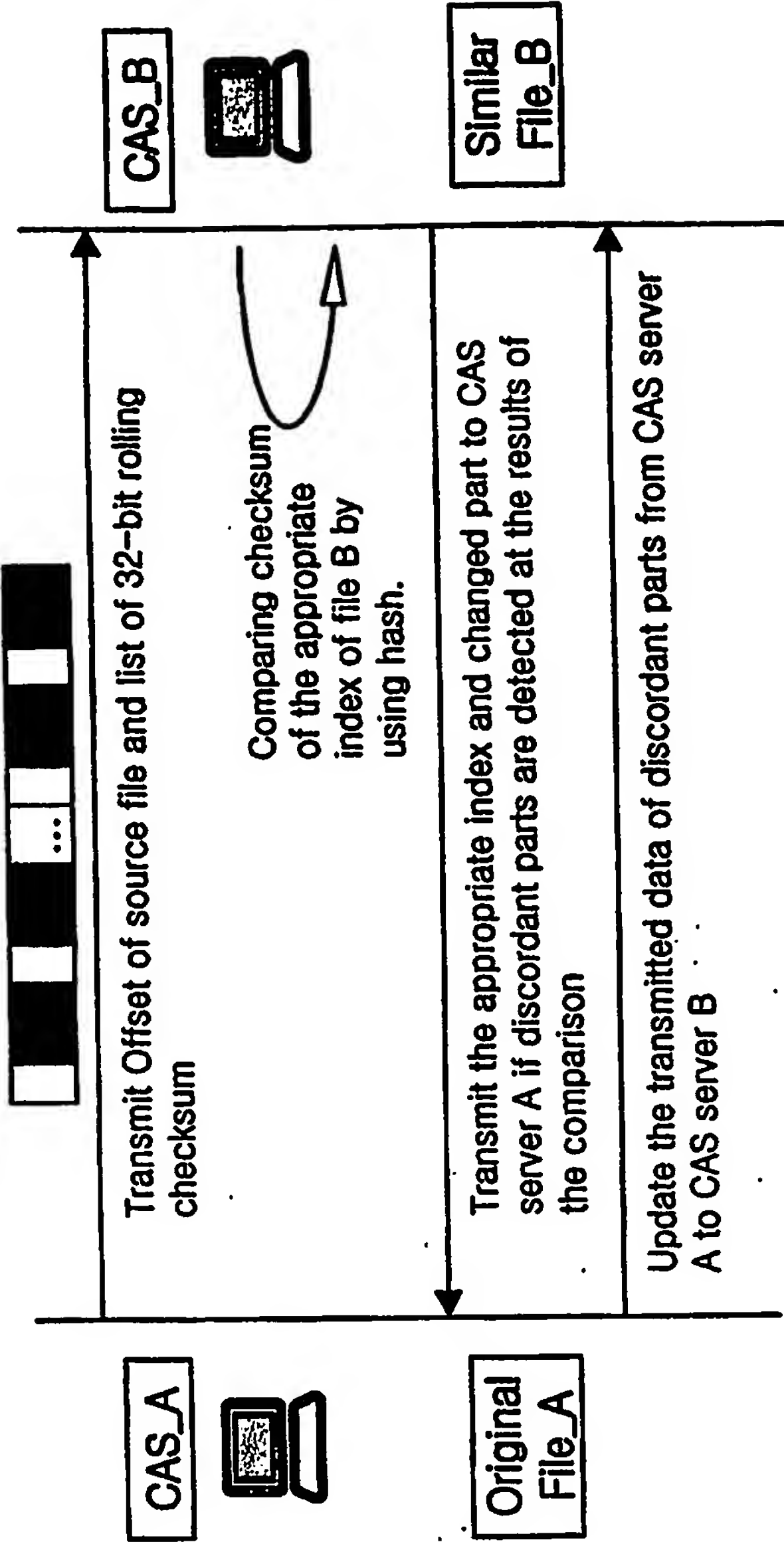


FIG. 6A

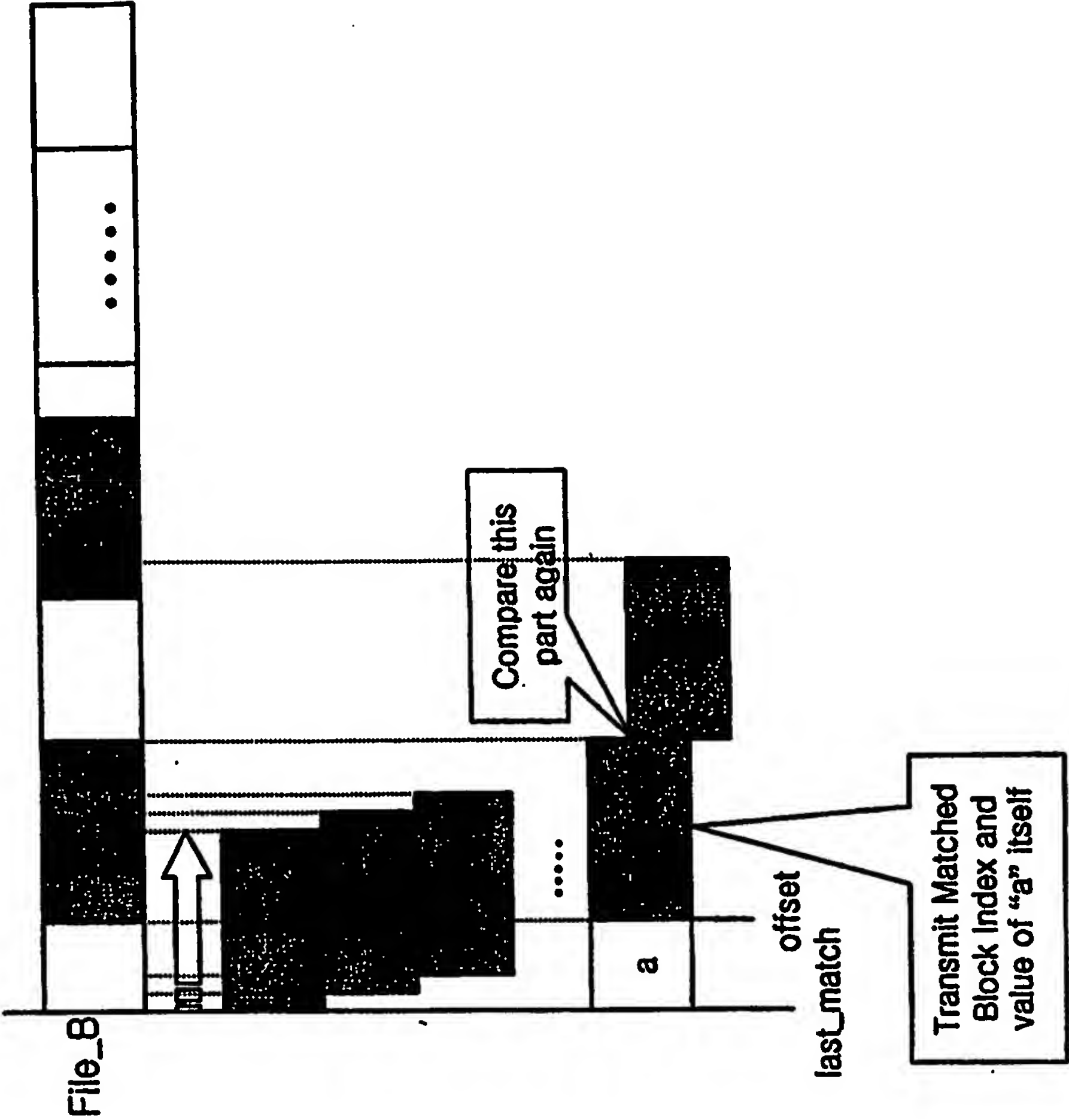
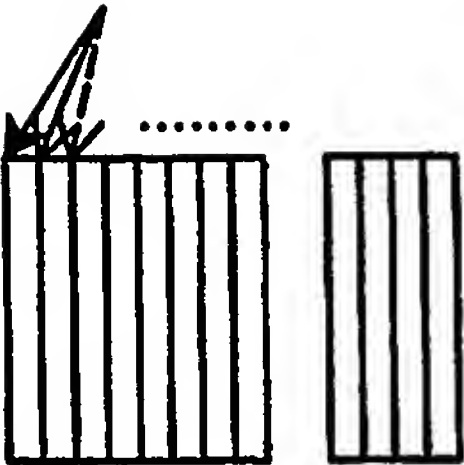


FIG. 6B

Create a hash table out of checksum transmitted from CAS server A to CAS server B



1. Hashing in said comparison, it gets high speed
2. Because the search job is shifted to the next block in case of matching, the search speed is high.
3. The copy speed is high because only discordant part is copied in a mutually very similar file.

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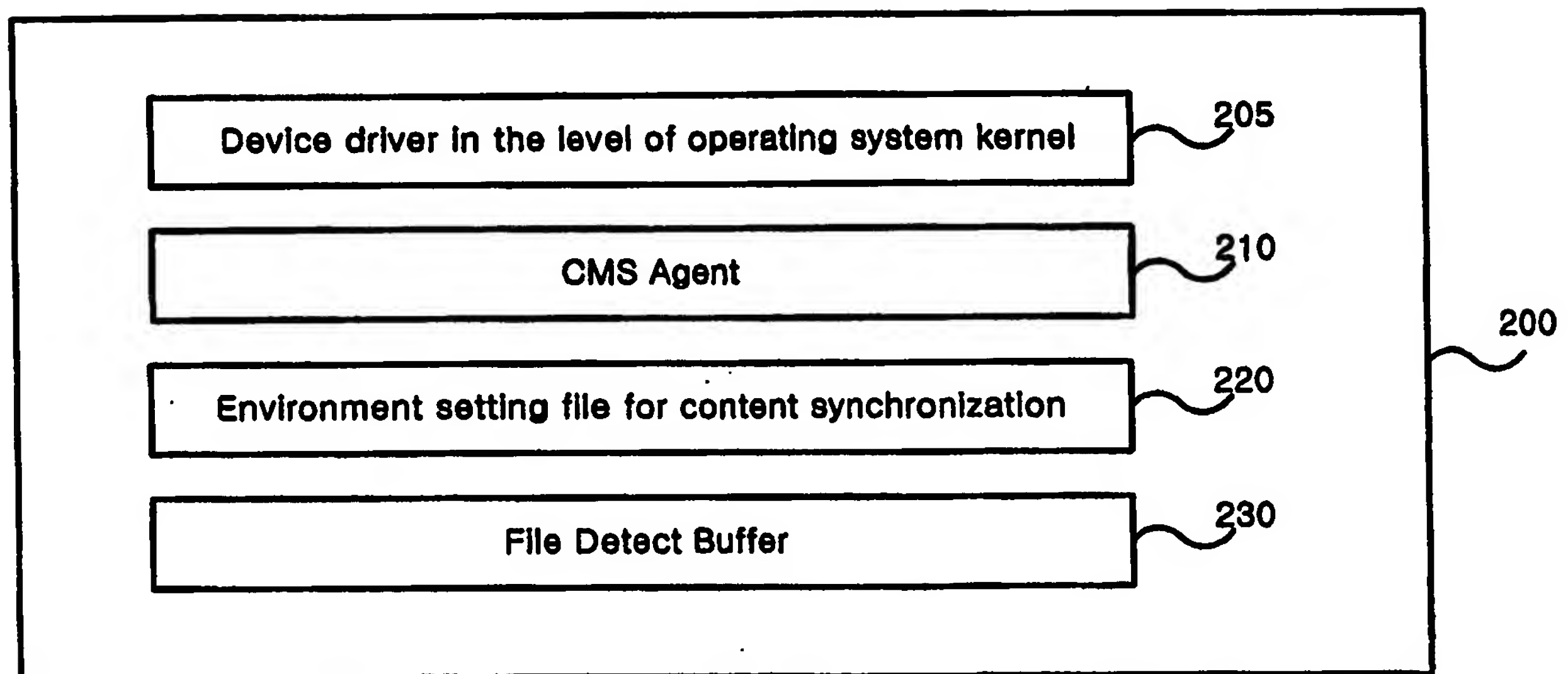


FIG. 7

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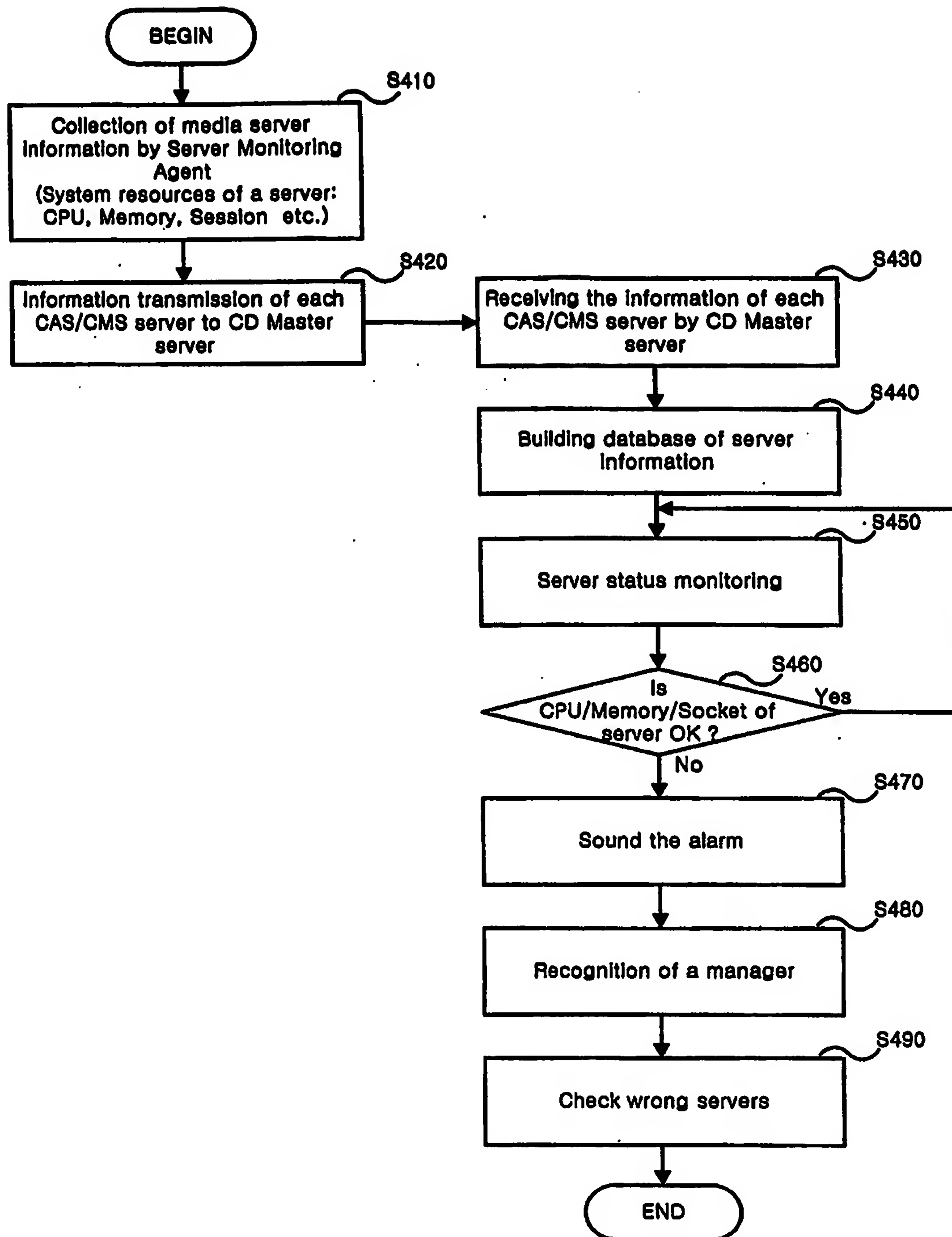


FIG. 8



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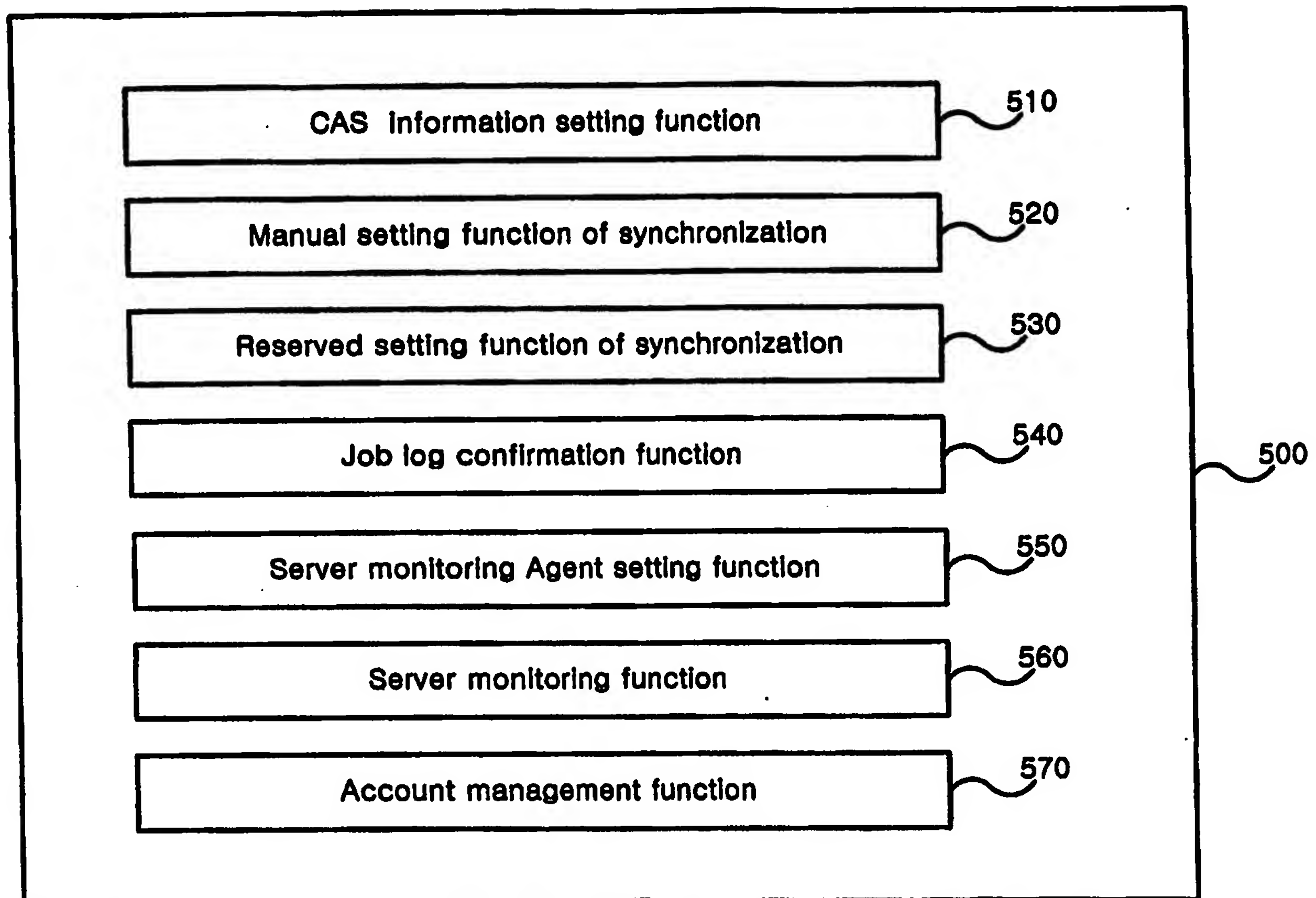


FIG. 9

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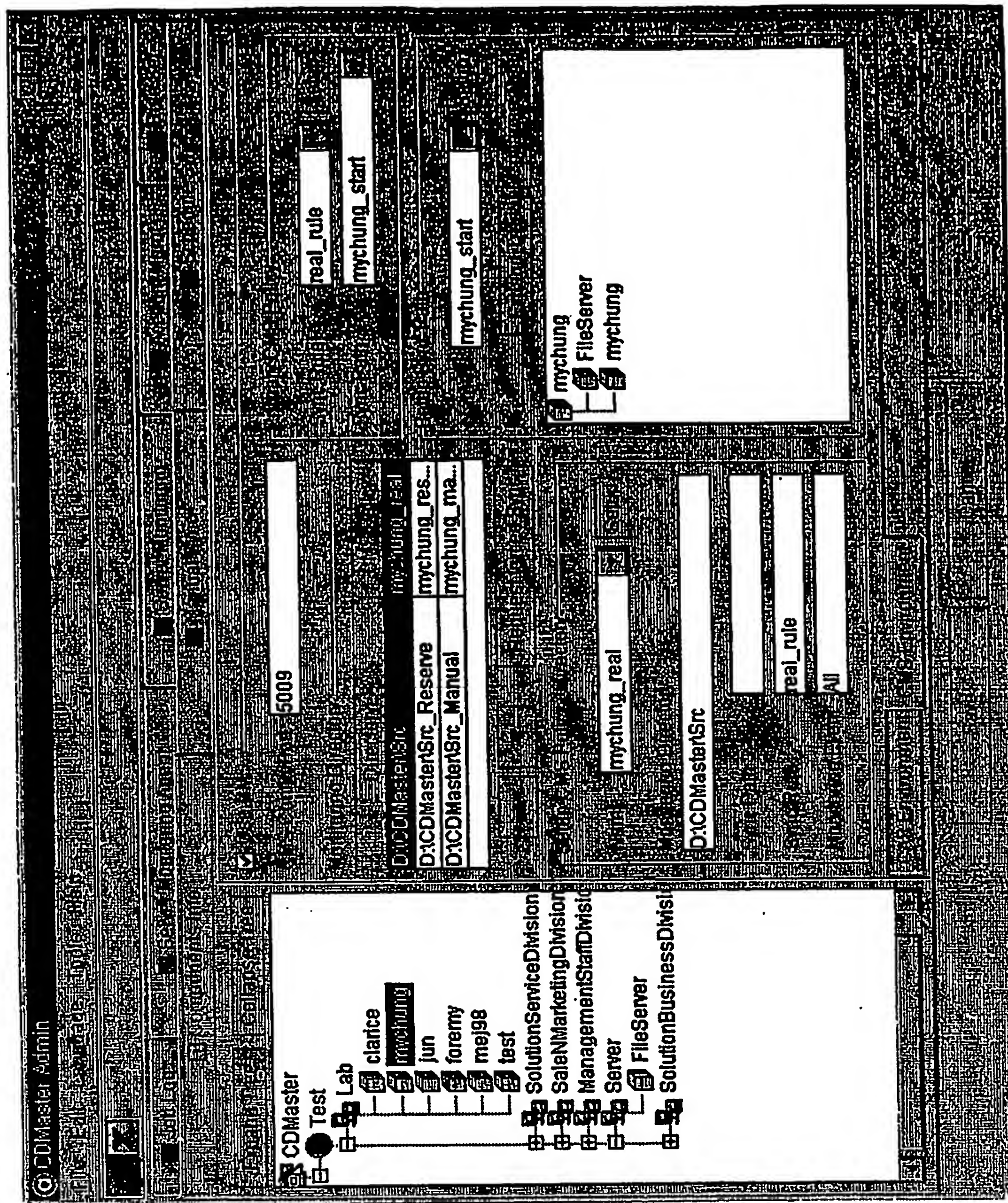


FIG. 10



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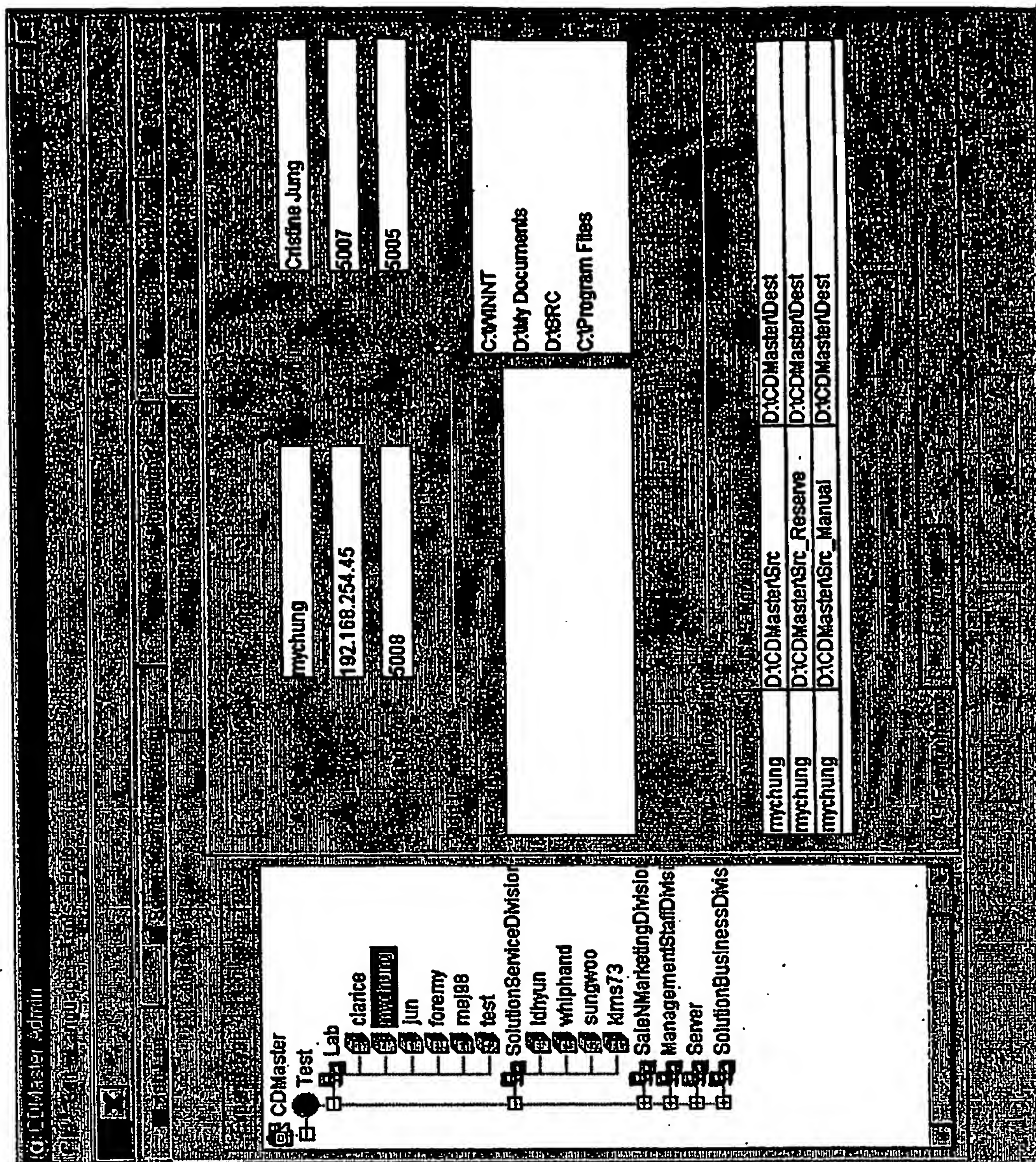


FIG. 11

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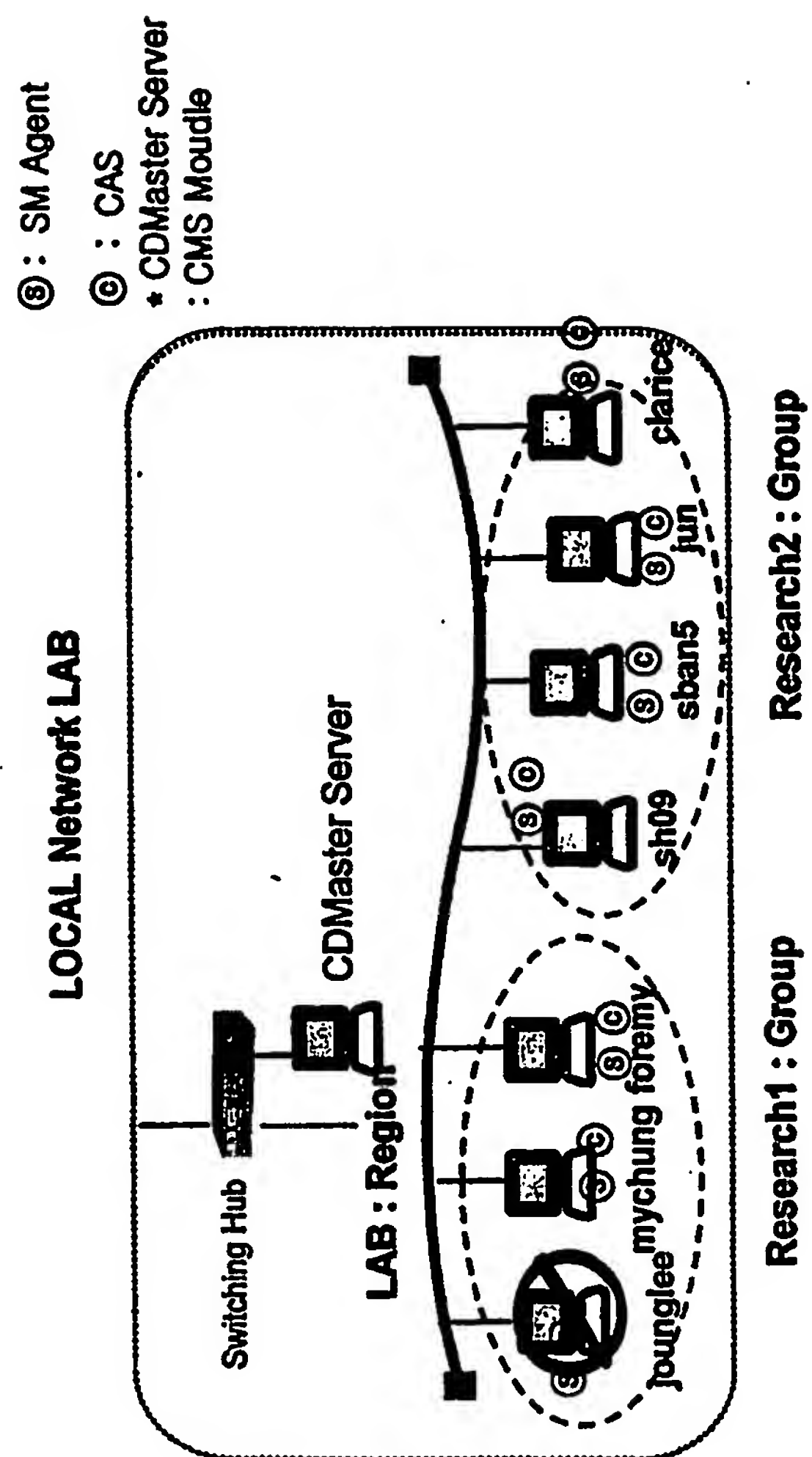


FIG. 12

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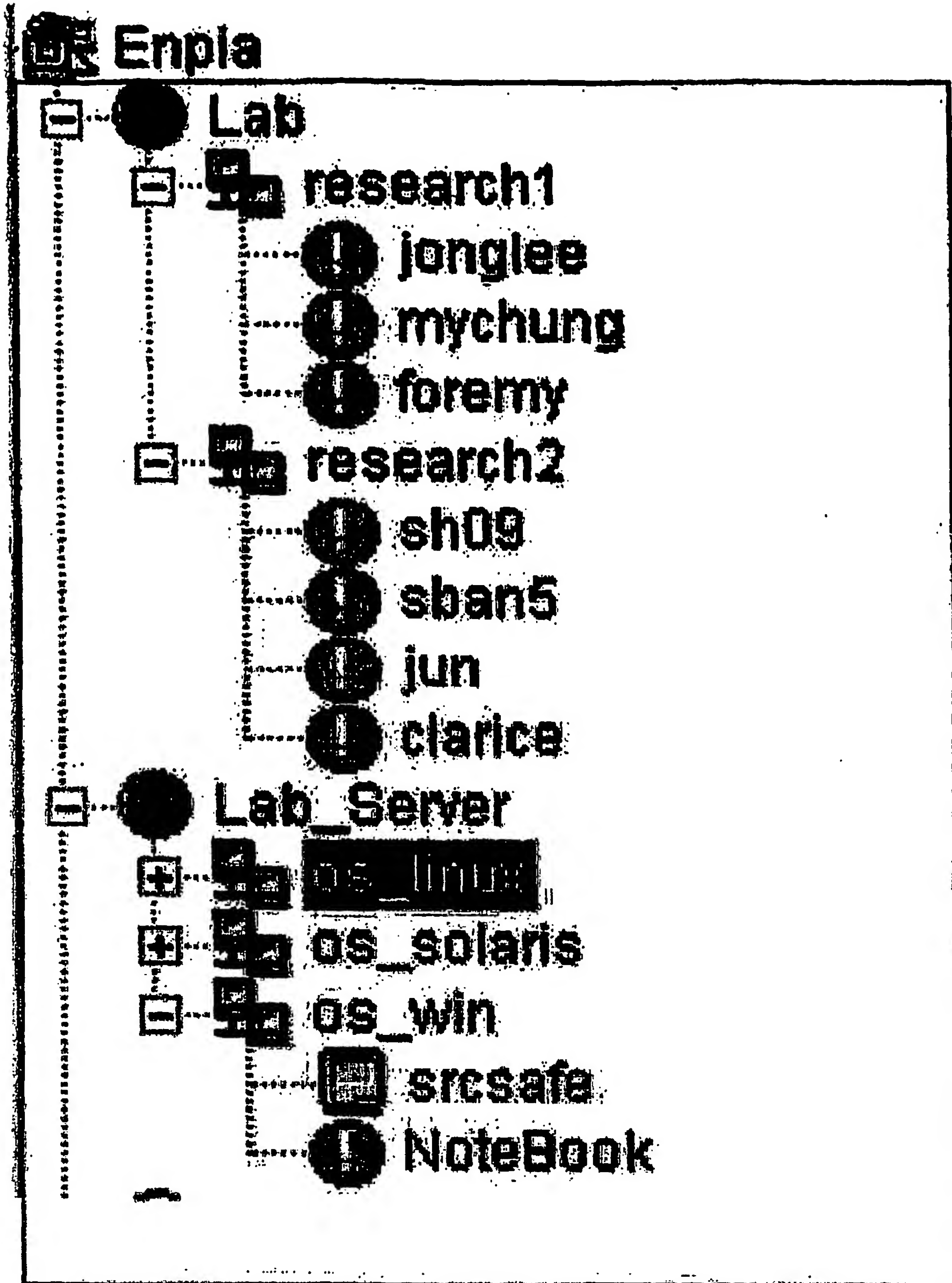


FIG. 13

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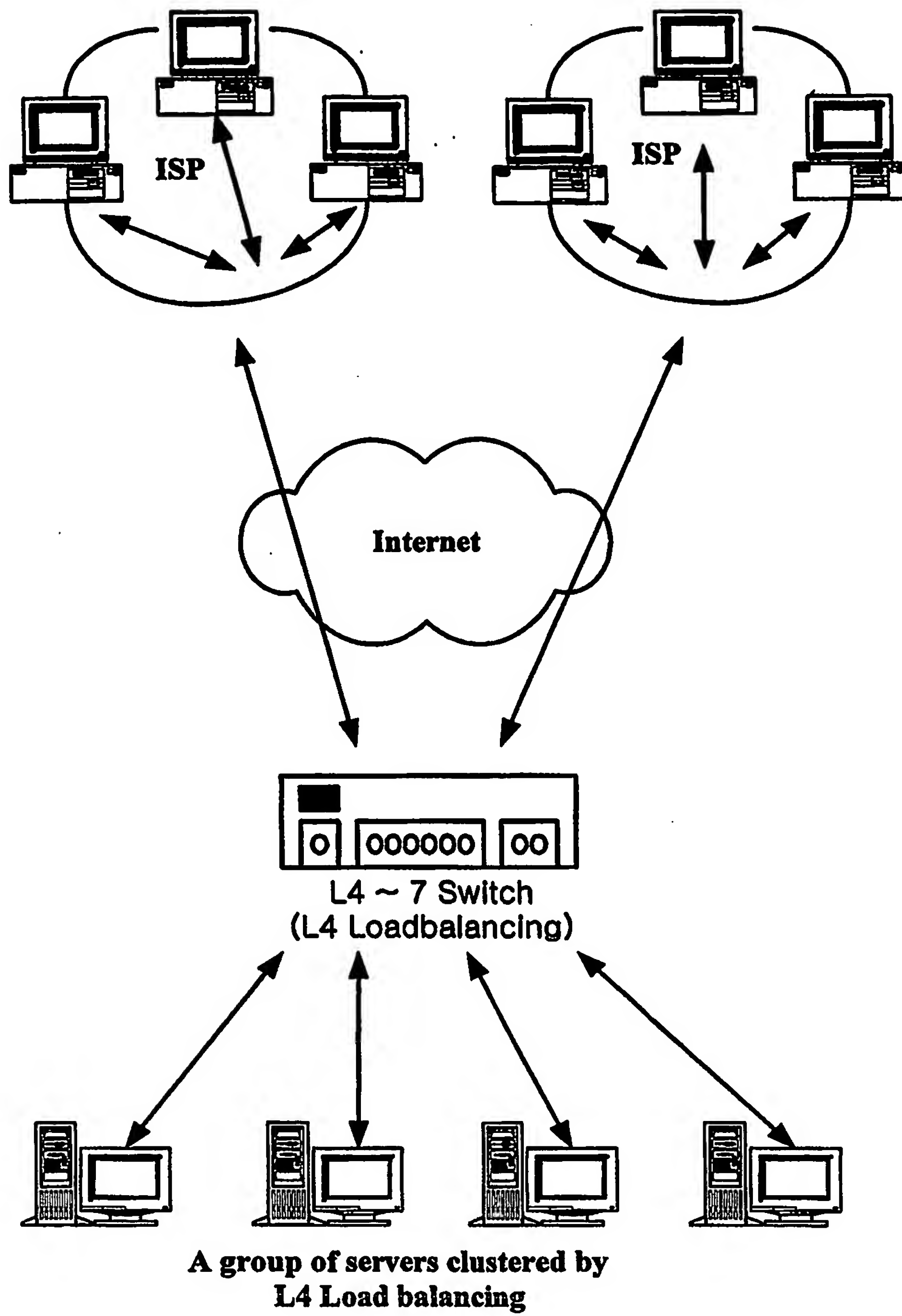


FIG. 14

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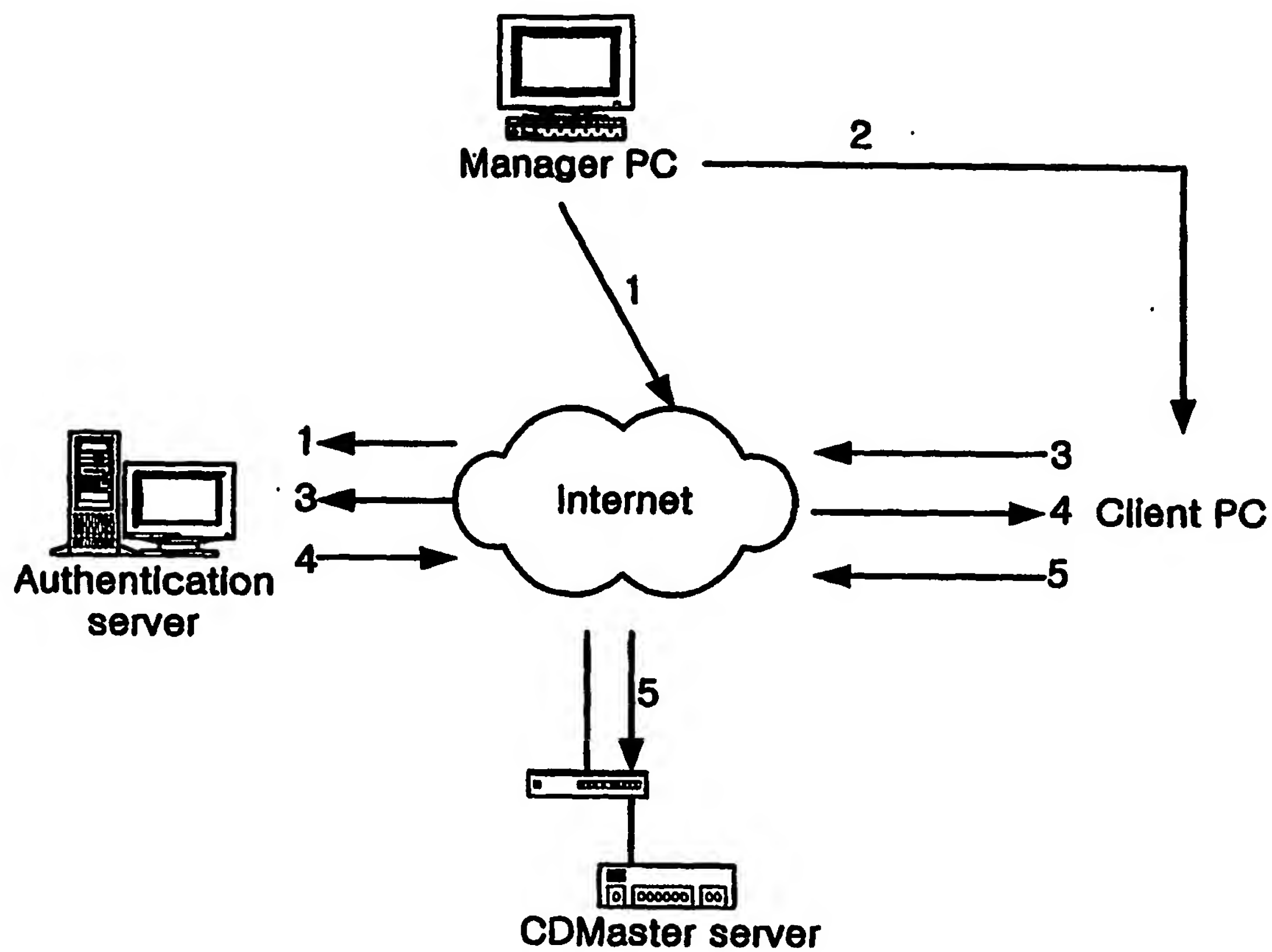


FIG. 15

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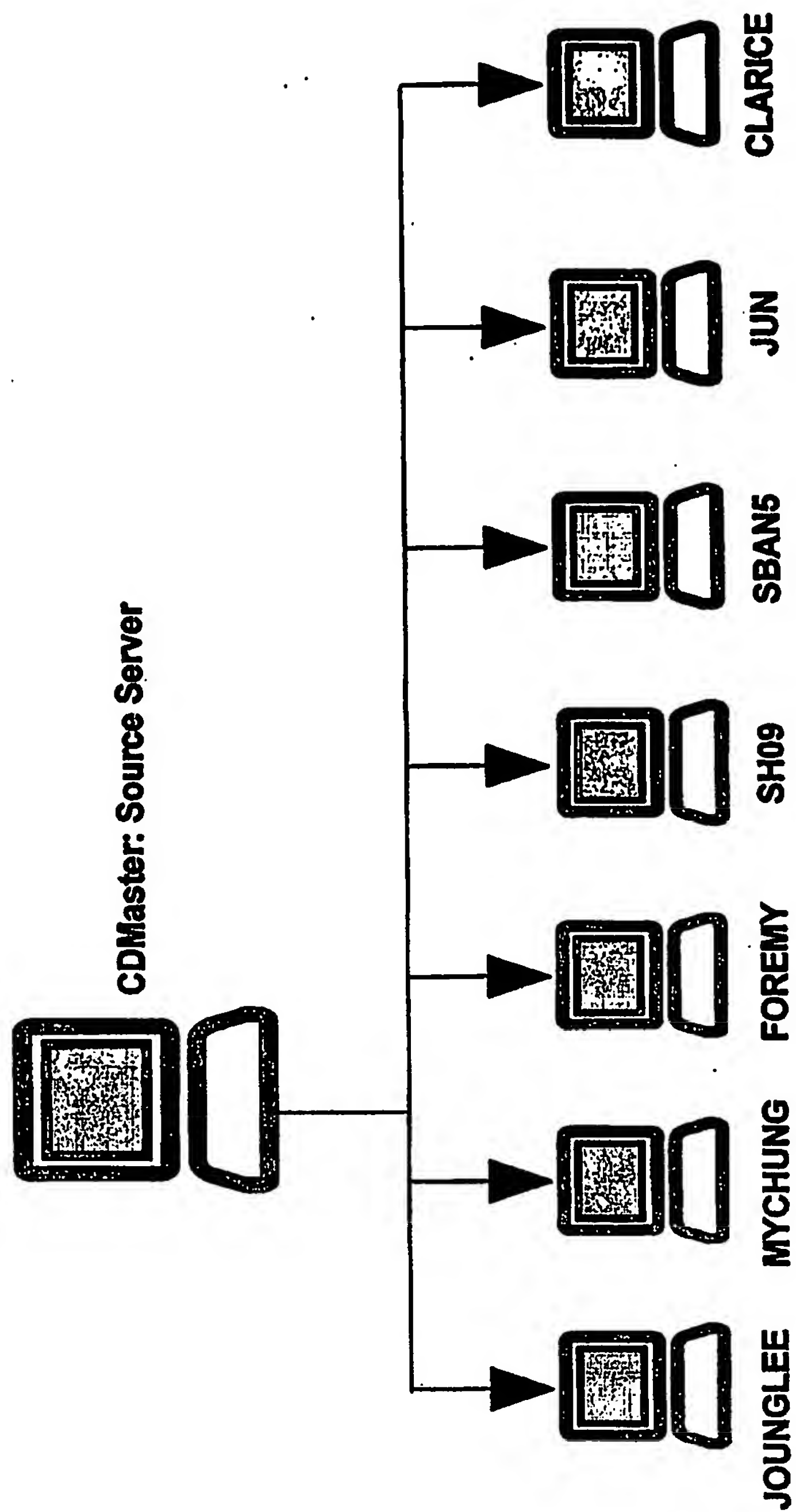


FIG 16



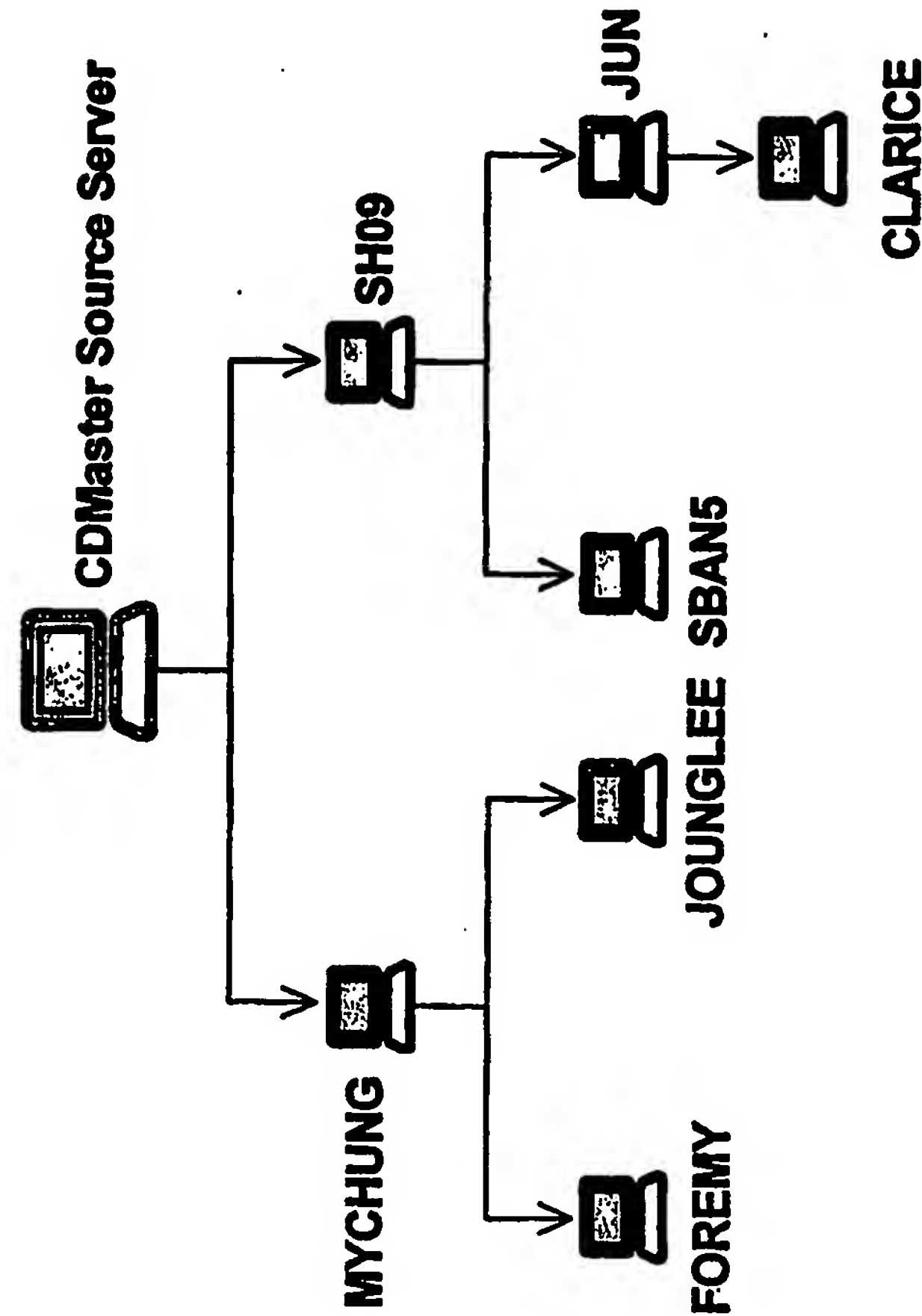


FIG. 17

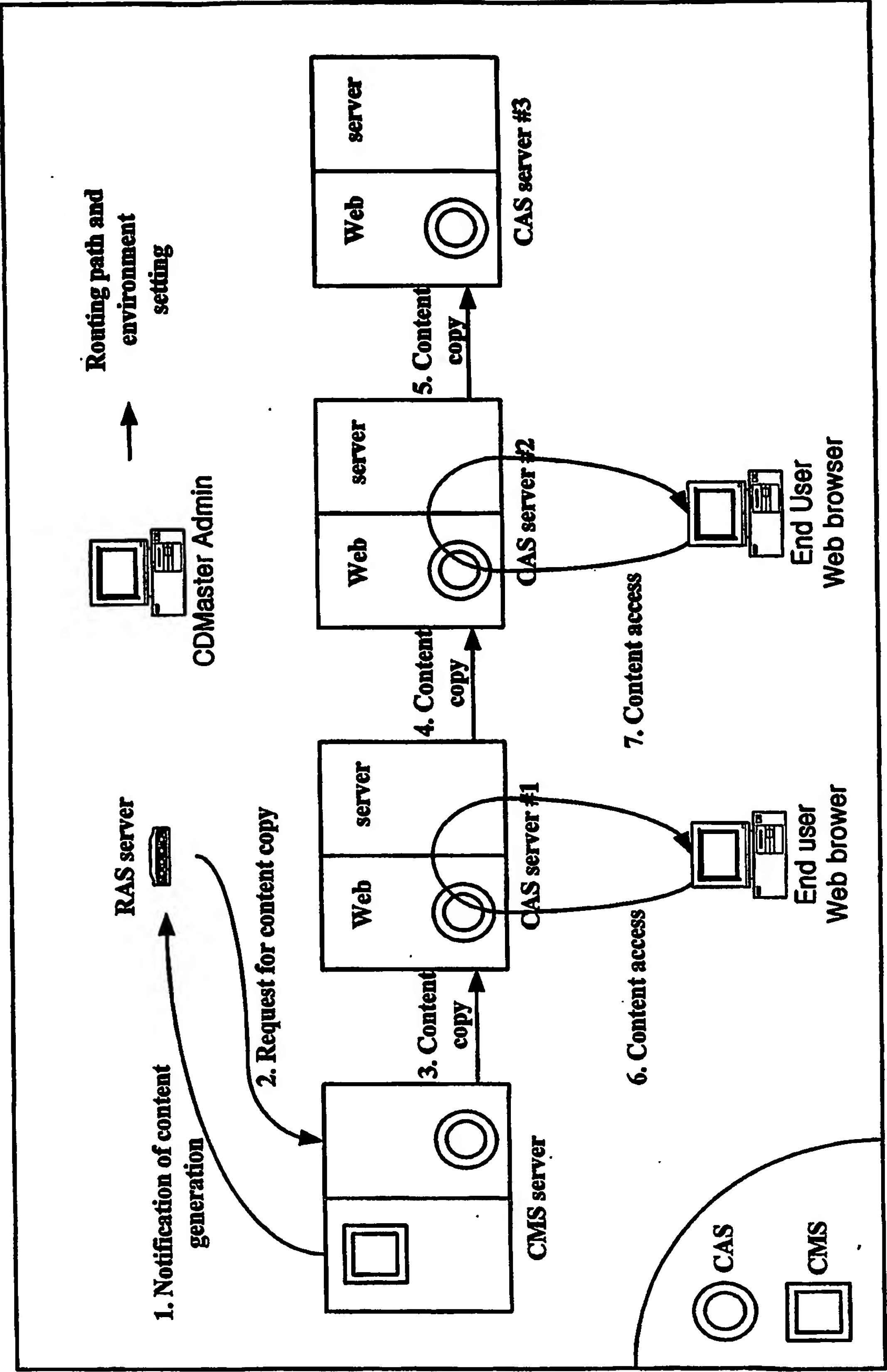


FIG. 18

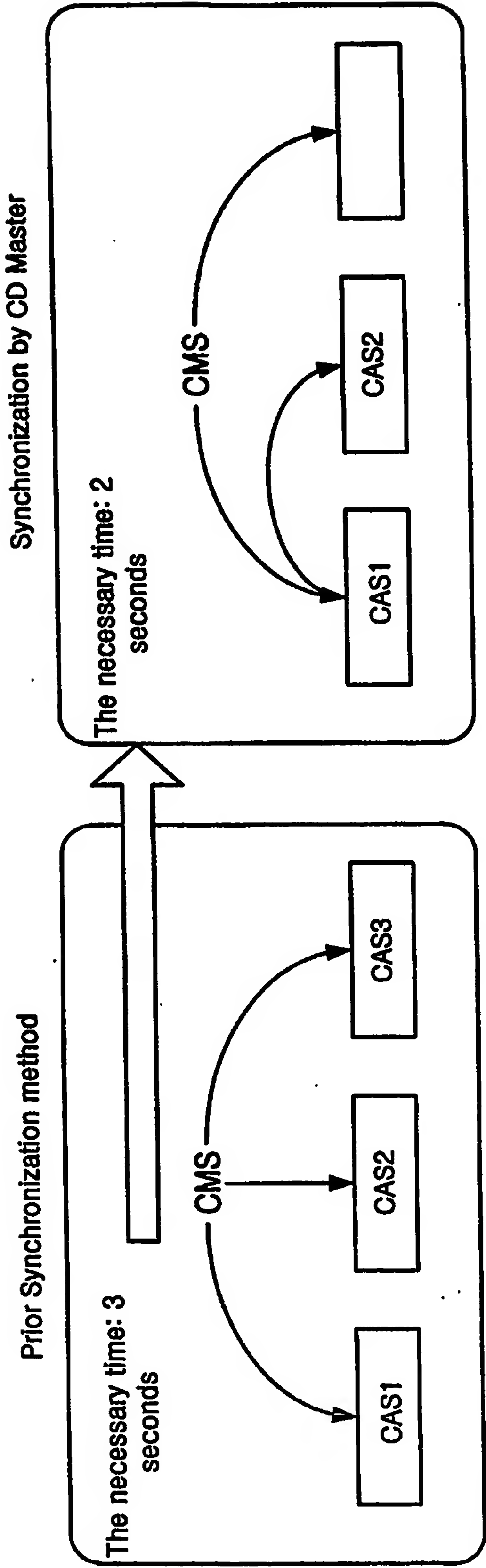


FIG. 19

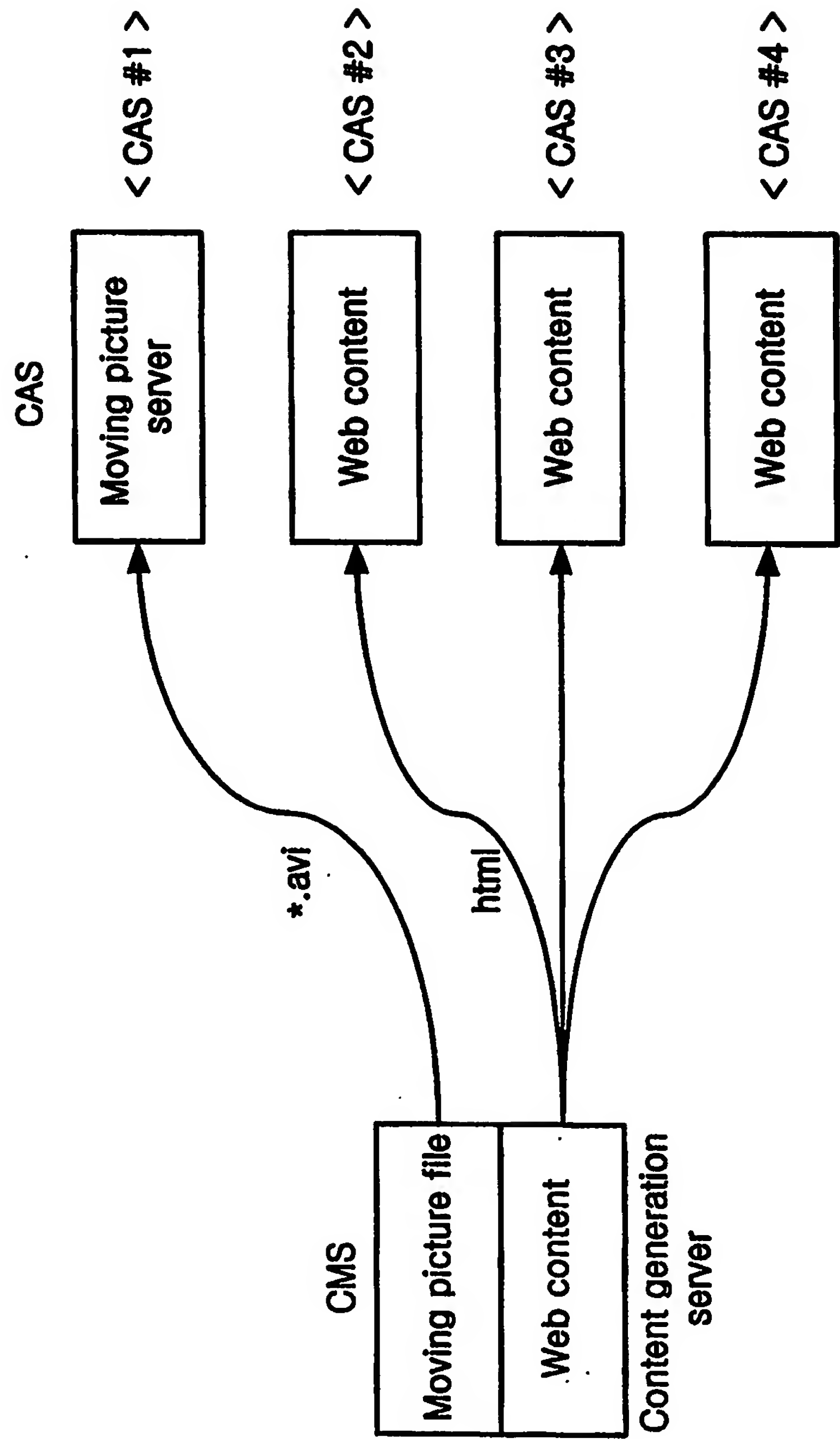


FIG. 20

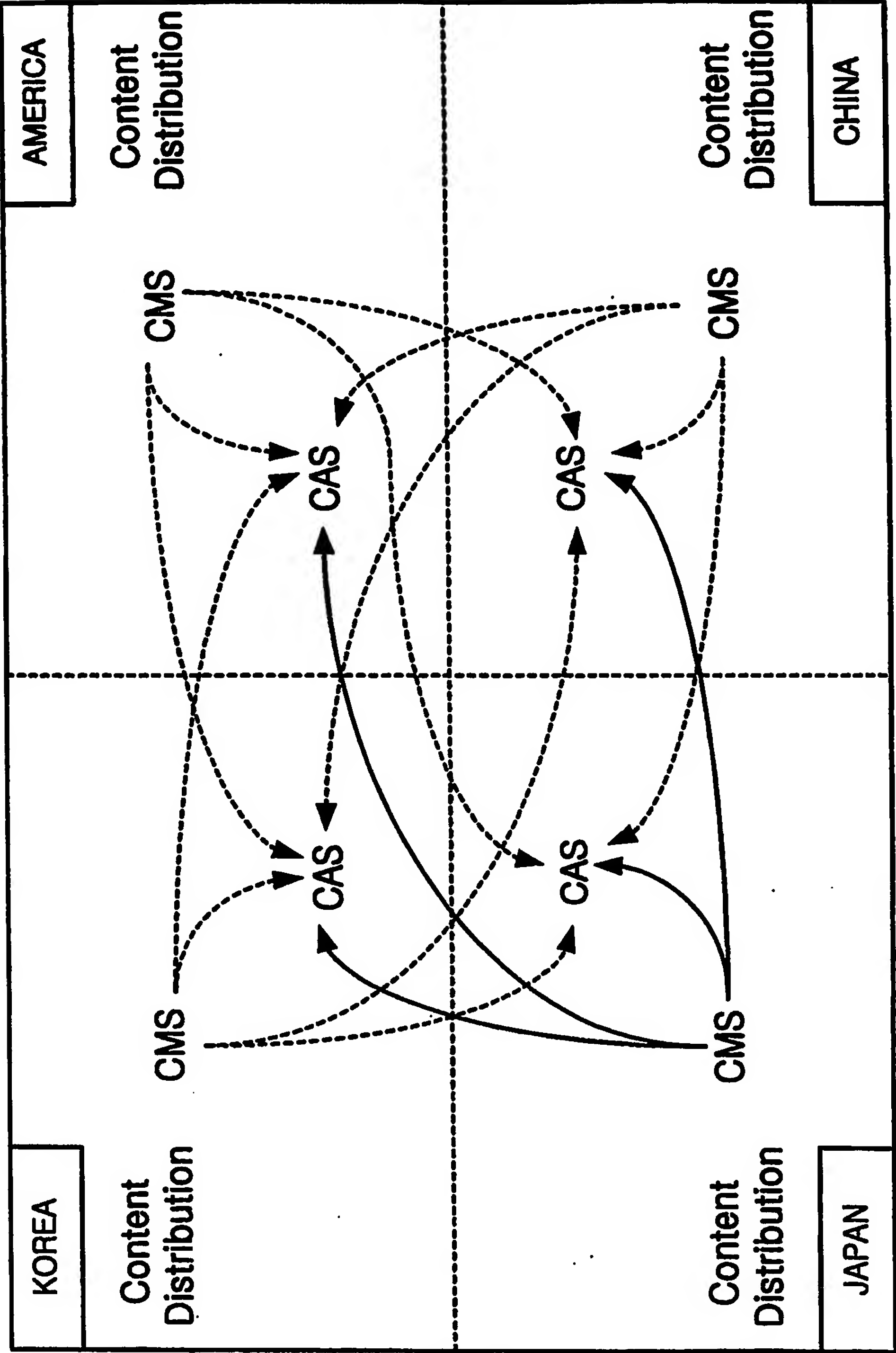


FIG. 21

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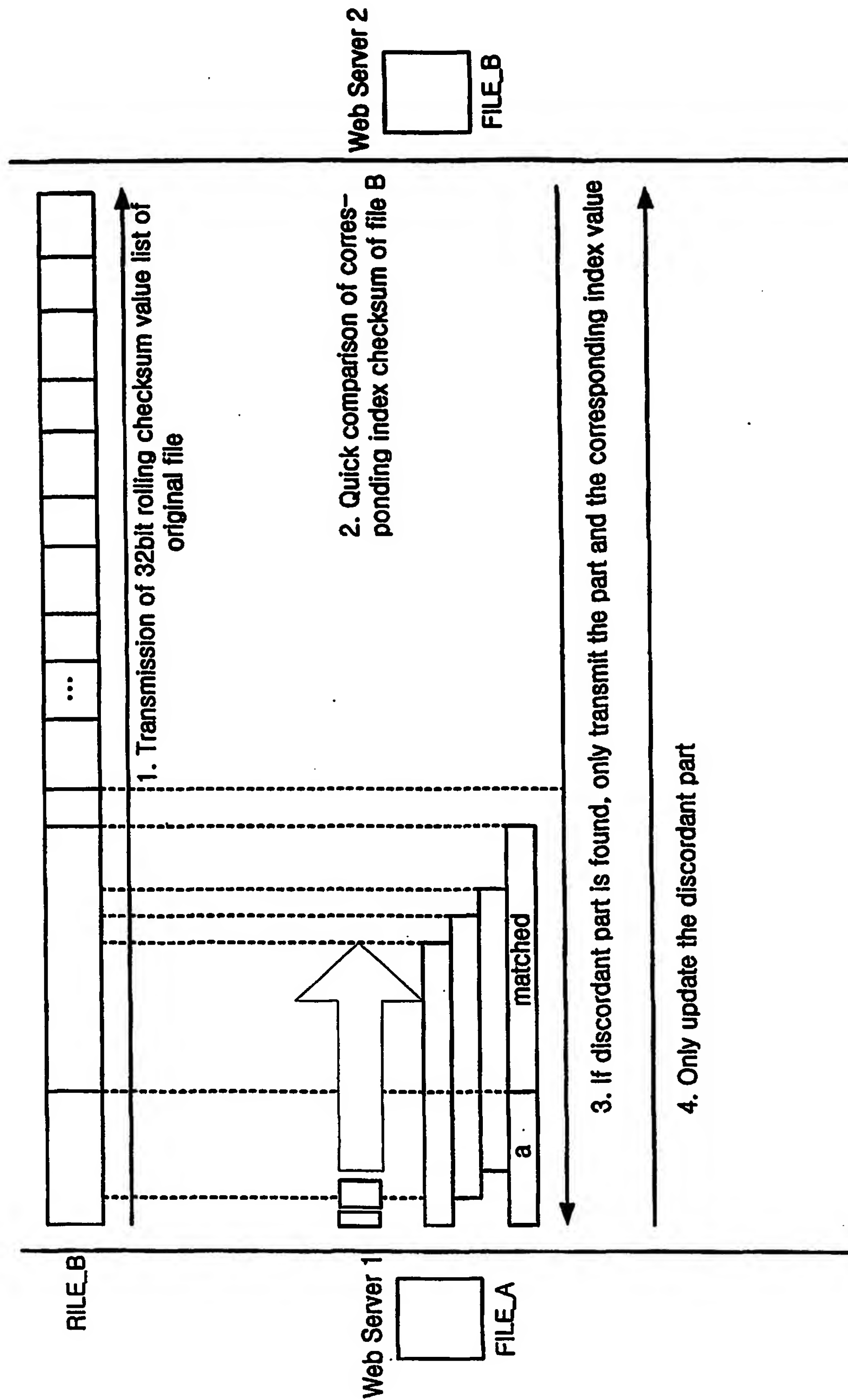


FIG. 22